NEWZEN CONSULTANT ★ Bangalore ★

NC/QC/PD/SH-12/2020-21/1-C1 Date: 14-12-2020

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Development of Shettyhalli Burial Ground in S.No. 55,56 and Deep land in ward 12 'C' Category.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: KRIDL.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**174 min**	Shall not be less than 30 min
2	Final setting time	**269 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.13 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.24 mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**29.06 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work

Page No. 1/1,

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

For Newzen Consultants Bangalore
Proprietor

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NC/QC/PD/SH-12/2020-21/1-C2

Date: 17-12-2020

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Development of Shettyhalli Burial Ground in S.No. 55,56 and Deep land in ward 12 'C' Category.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: KRIDL.

PHYSICAL TESTS ON CEMENT

Brand : ACC
Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**168 min**	Shall not be less than 30 min
2	Final setting time	**293min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**1.97 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.14 mm**	Shall not be more than 10 mm
5	Compressive strength b) 3 days (average of three results)	**29.11 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work

Page No. 1/1,

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

For Newzen Consultants Bangalore
Proprietor

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NC/QC/PD/SH-12/2020-21/1-S1

Date: 22-12-2020

1. TEST REPORT ON REINFORCEMENT STEEL:

Sub: Testing of Reinforcement Steel of diameter 8, 10, 20 & 25 mm **TMT Steel.**
{Project*: Development of Shettyhalli Burial Ground in S.No. 55,56 and Deep land in ward 12 'C' Category.}

Ref.: Material testing/PMC/20-21,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: KRIDL.

TABLE – 1

SL No	Details	For 8 mm		For 10 mm	
		Test Results	Min Req. as per IS 1786-2008	Test Results	Min Req. as per IS 1786-2008
01	Observed diameter of bar	**8.0 mm**	8.0 mm	**10.0 mm**	10.0 mm
02	Observed Wt/m Length **Kg/m**	**0.395**	0.363	**0.624**	0.567
03	Proof stress/Yield stress, fy , **N/mm²**	**560.0**	500.0	**560.0**	500.0
04	Bend/ Re bend Test	**Ok**	---	**Ok**	---
05	Percentage of Elongation, %	**19.50**	16.00	**19.50**	16.00
06	Ultimate Tensile Strength **N/mm²**	**638.0**	565.0	**638.0**	565.0

The result of the materials tested meets the standards and hence can be used for the work

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

For Newzen Consultants Bangalore
Proprietor

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NEWZEN CONSULTANT Bangalore

NC/QC/PD/SH-12/2020-21/1-CB1A

Date: 21-01-2021

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Development of Shettyhalli Burial Ground in S.No. 55,56 and Deep land in ward 12 'C' Category.}
Ref.: Material testing/PMC/20-21,
Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: KRIDL.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	24-12-20	21-01-21	28	22500	510	22.67	**22.44**
	002	"	"	"	"	505	22.44	
	003	"	"	"	"	500	22.22	

The result of the materials tested meets the standards and hence can be used for the work

Asst. Executive Engineer
Project Division, Dasrahalli Zone
BBMP, Bangalore

For Newzen Consultants Bangalore
Director

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